

Implementation Plan - 2010 Case Study (Formerly referred to as Phase A)

A 2010 Case Study modeling for the Draft Implementation Plan was completed and posted on the website. The performance measure set for this case study compares the 1995 Base, 2050 Base, Alternative D13R, initial 2010 Case Study simulation (designated PHASEA1 on the performance measures), and final 2010 Case Study simulation (designated PHASEA5 on the performance measures). The [Draft 2010 Case Study map](#) represents a pictorial summary, while the [table](#) represents a listing of the anticipated components that would be implemented by the year 2010.

This snap-shot of implemented projects is representative of the first Phase of projects based on the Implementation Plan Teams overall sequence of projects.

The South Florida Water Management Model was used to simulate the performance of the implemented 2010 Case Study using the 31 year period-of simulation. The 2010 Case Study individual components listed in the attached [table](#) do not differ significantly in design /description from the Recommended Plan, D13R component descriptions.

The 2010 Case Study represents 2010-demand projections and approximates the first 10 years of implemented projects using an estimated capital expenditure of approximately \$400 million per year.

These very important modeling results will be evaluated by the regional sub-teams of the Alternative Evaluation Team (AET) to help understand and determine the ecological and water supply effects that would occur at a snapshot in time. The AET is being asked to evaluate the 2010 Case Study using the same performance measures that they used to evaluate all other Restudy alternatives. This evaluation will help to determine that the projects proposed in this case study to be implemented by 2010, do not cause detrimental ecological or water supply effects. Secondly the evaluation will provide insight as to ecological or water supply benefits achieved through implementation undertaken by 2010.

During the first week of January the AET will work interactively if necessary with the modeling team to address any specific performance issues that may because for concern as a result of the evaluations.

Table of components in 2010 Case Study. A1 components are those initially modeled and A5 components are those included in the final modeling of the 2010 case Study.

ID	COMPONENT NAME	A1	A5
	PILOT PROJECTS		
Pilot	Lake O ASR Pilot	X	X
Pilot	Caloosahatchee ASR Pilot	X	X
Pilot	Levee Seepage Mgmt Pilot	X	X
Pilot	Site 1 ASR Pilot	X	X
Pilot	Lakebelt Technology Pilot	X	X
Pilot	Natural System Reuse Pilot	X	X
	EARLY ACTION PROJECTS		
DD	Holey Land Regulation Schedule	X	X
EE	Rotenberger Regulation Schedule	X	X
KK	WCA-1 Internal Structures	X	X
WW	C-111 N Spreader	X	X
T	C-4 Divide Structure	X	X
II	G404	X	X
OO	C-111 Operations Modifications		X
	INDIAN RIVER LAGOON		
B	C-44 Basin Storage Reservoir		
UU	C-23,C-24,C-25, N&S-Fork Reservoir	X	X
	EVERGLADES AGRICULTURE AREA		
G	EAA Reservoirs Phase 1	X	X
G	EAA Reservoir Phase 2		
	LAKE OKEECHOBEE HEADWATERS STORAGE		
W	Taylor Creek Nubbin Slough	X	X
A	North of LO Storage		
	CALOOSAHATCHEE RIVER BASIN		
D	C-43 Basin Storage & ASR	X	X
DDD	Caloosa. Backpumping w/STA		
	WATER PRESERVE AREA COMPONENTS		
R	C-9 STA	X	X
Q	West C-11 Diver. & Impound.	X	X
BB	Dade/Brow Levee/Pennucco	X	X
M	Site 1 Impound &ASR	X	X
OPE	ACME Basin B Discharge	X	X
OPE	Protect wetlands (Strazulla)	X	X
OPE	Pal-Mar/Corbett Hydro Rest.	X	X
X	C-17 Backpumping & Treatment		
Y	C-51 Backpumping & Treatment		
U	Bird Drive Recharge Area		
EEE	WCA-3B Flows to Central LB		
	LEEVE SEEPAGE MGMT		
V	L31 N Levee Improvements	X	X interim
O	WCA-3A &3B Seepage Mgmt	X	X
FF	S356 Structures	X	X

ID	COMPONENT NAME	A1	A5
	STORAGE WITH ASR COMPONENTS		
K	L-8 Basin	X	X
GGG	C-51 & southern L-8 Reservoir		
LL	C-51 Region. Groundwater ASR	X	X
VV	Ag. Reserve Reservoir & ASR		
	LAKEBELT STORAGE & CONVEYANCE		
S	Central Lakebelt Storage Area		
ZZ	WCA-3A & 3B flows to CLB		X partial
YY	WCA 2 flows to CLB storage		X partial
XX	North Lakebelt Storage Area		
	WCA CONNECTIVITY		
SS	Reroute Miami-Dade Water Supply Deliv	X	X
QQ	WCA-3 Decomp. & Sheetflow Enhance.	X Partial	X Partial
AA	Add'l S-345 Structures (L67 A)	X	X
	BISCAYNE BAY		
FFF	Bis. Bay Coastal Wetlands (FFF&OPE)		
HHH	West Miami-Dade Reuse		
BBB	South Miami-Dade Reuse		
	LOWER EAST COAST		
AAA	LEC Utility Water Conservation	X	X
CC	Broward County Secondary Canal Sys.	X	X
	WESTERN BASIN		
RR	Flow to NW & Central WCA-3A	X	X
CCC	Big Cypress/ L-28 Interceptor Mods		
OPE	Seminole Tribe BC Water Conser. Plan	X	X
GG	LAKE OKEECHOBEE ASR	-----	-----
	STAND ALONE OPES		
OPE	LO Watershed WQ Treatment Facility	X	X
OPE	LO Tributary Sediment Dredging	X	X
OPE	Lake Worth Lagoon Restoration		
OPE	North Fork of the New River Restoration	X	X
OPE	Restore Pineland/Hardwood Hammocks	X	X
OPE	Melaleuca Erad. Project & Other Exotics	X	X
	RECOMMENDED FEASIBILITY STUDIES		
FEAS	SouthWest Florida Feasibility Study	X	X
FEAS	Florida Bay Feasibility Study	X	X
FEAS	Comp. Integrated Water Quality Plan	X	X

Restudy Components Implemented 2010 Case Study

DRAFT

